



1

SEQUENCE LISTING

<110> NG, FRANK MAN MOON
JIANG, WOEL-JIA

<120> TREATMENT OF OBESITY

<130> 017227/0156

<140> 09/508,054

<141> 2000-04-20

<150> PCT/AU98/00724

<151> 1998-09-04

<150> AU PO9001

<151> 1997-09-08

<150> AU PP0398

<151> 1997-11-13

<160> 52

<170> PatentIn Ver. 2.1

<210> 1

<211> 15

<212> PRT

<213> Homo sapiens

<400> 1

Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
1 5 10 15

<210> 2

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> MOD_RES

<222> (1)..(3)

<223> Arg, His or Lys and may consist of 0-3 residues

<220>

<221> MOD_RES

<222> (19)..(21)

<223> Arg, His or Lys and may consist of 0-3 residues

<400> 2

Xaa Xaa Xaa Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys
1 5 10 15

Gly Phe Xaa Xaa Xaa
20

<210> 3
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 3
 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 4
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 4
 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 5
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MOD_RES
 <222> (6)
 <223> Cys (Acm)

<220>
 <221> MOD_RES
 <222> (13)
 <223> Cys (Acm)

<400> 5
 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 6
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 6
 Leu Arg Lys Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 7
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 7

Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 8

<211> 15

<212> PRT

<213> Homo sapiens

<400> 8

Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 9

<211> 15

<212> PRT

<213> Homo sapiens

<400> 9

Leu Arg Ile Val Gln Cys Ala Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 10

<211> 15

<212> PRT

<213> Homo sapiens

<400> 10

Leu Arg Ile Val Gln Cys Lys Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 11

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<223> amide bond between position 7 and 10

<400> 11

Leu Arg Ile Val Gln Cys Lys Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 12

<211> 15

<212> PRT

<213> Homo sapiens

<400> 12

Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 13
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MOD_RES
 <222> (6)
 <223> Cys (SH)

<220>
 <221> MOD_RES
 <222> (13)
 <223> Cys (SH)

<400> 13
 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 14
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MOD_RES
 <222> (11)
 <223> D-Ala

<220>
 <221> MOD_RES
 <222> (14)
 <223> D-Ala

<400> 14
 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Ala Ser Cys Ala Phe
 1 5 10 15

<210> 15
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MOD_RES
 <222> (6)
 <223> Pen (Penicillamine (B,B'-Dimethyl-Cysteine))

<220>
 <221> MOD_RES
 <222> (13)
 <223> Pen (Penicillamine (B,B'-Dimethyl-Cysteine))

<400> 15
 Leu Arg Ile Val Gln Xaa Arg Ser Val Glu Gly Ser Xaa Gly Phe
 1 5 10 15

<210> 16
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 16
 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Ala
 1 5 10 15

<210> 17
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 17
 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Ala Phe
 1 5 10 15

<210> 18
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 18
 Leu Ala Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 19
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 19
 Tyr Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 20
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 20
 Lys Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 21
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 21

Leu Lys Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 22

<211> 15

<212> PRT

<213> Homo sapiens

<400> 22

Ala Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 23

<211> 15

<212> PRT

<213> Homo sapiens

<400> 23

Leu Arg Ala Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 24

<211> 15

<212> PRT

<213> Homo sapiens

<400> 24

Leu Arg Ile Ala Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 25

<211> 15

<212> PRT

<213> Homo sapiens

<400> 25

Leu Arg Ile Val Ala Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 26

<211> 15

<212> PRT

<213> Homo sapiens

<400> 26

Leu Arg Ile Val Gln Ala Arg Ser Val Glu Gly Ser Cys Gly Phe
 1 5 10 15

<210> 27

<211> 15

<212> PRT

<213> Homo sapiens

<400> 27

Leu Arg Ile Val Gln Cys Arg Ala Val Glu Gly Ser Cys Gly Phe
1 5 10 15

<210> 28

<211> 15

<212> PRT

<213> Homo sapiens

<400> 28

Leu Arg Ile Val Gln Cys Arg Ser Ala Glu Gly Ser Cys Gly Phe
1 5 10 15

<210> 29

<211> 15

<212> PRT

<213> Homo sapiens

<400> 29

Leu Arg Ile Val Gln Cys Arg Ser Val Ala Gly Ser Cys Gly Phe
1 5 10 15

<210> 30

<211> 15

<212> PRT

<213> Homo sapiens

<400> 30

Leu Arg Ile Val Gln Cys Arg Ser Val Glu Ala Ser Cys Gly Phe
1 5 10 15

<210> 31

<211> 15

<212> PRT

<213> Homo sapiens

<400> 31

Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ala Cys Gly Phe
1 5 10 15

<210> 32

<211> 15

<212> PRT

<213> Homo sapiens

<400> 32

Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Ala Gly Phe
1 5 10 15

<210> 33
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 33
 Lys Lys Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly
 1 5 10 15

Phe

<210> 34
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 34
 Phe Arg Lys Asp Met Asp Lys Val Glu Thr Phe Leu Arg Ile Val Gln
 1 5 10 15

Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 20 25

<210> 35
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 35
 Phe Arg Lys Asp Met Asp Lys Val Glu Thr Phe Leu Arg Ile Val Gln
 1 5 10 15

Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 20 25

<210> 36
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 36
 Phe Arg Lys Asp Met Asp Lys Val Glu Thr Phe Leu Arg Met Val Gln
 1 5 10 15

Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 20 25

<210> 37
 <211> 26
 <212> PRT
 <213> Rhesus sp.

<400> 37

Phe Arg Lys Asp Met Asp Lys Ile Glu Thr Phe Leu Arg Ile Val Gln
 1 5 10 15

Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 20 25

<210> 38

<211> 27

<212> PRT

<213> Rattus sp.

<400> 38

Phe Lys Lys Asp Leu His Lys Ala Glu Thr Tyr Leu Arg Val Met Lys
 1 5 10 15

Cys Arg Arg Phe Ala Glu Ser Ser Cys Ala Phe
 20 25

<210> 39

<211> 27

<212> PRT

<213> Mus sp.

<400> 39

Phe Lys Lys Asp Leu His Lys Ala Glu Thr Tyr Leu Arg Val Met Lys
 1 5 10 15

Cys Arg Arg Phe Val Glu Ser Ser Cys Ala Phe
 20 25

<210> 40

<211> 27

<212> PRT

<213> Cricetidae sp.

<400> 40

Phe Lys Lys Asp Leu His Lys Ala Glu Thr Tyr Leu Arg Val Met Lys
 1 5 10 15

Cys Arg Arg Phe Val Glu Ser Ser Cys Ala Phe
 20 25

<210> 41

<211> 27

<212> PRT

<213> Squalus sp.

<400> 41

Phe Lys Lys Asp Leu His Lys Ala Glu Thr Tyr Leu Arg Val Met Lys
 1 5 10 15

Cys Arg Arg Phe Val Glu Ser Ser Cys Ala Phe
 20 25

<210> 42
 <211> 27
 <212> PRT
 <213> Squalus sp.

<400> 42
 Phe Lys Lys Asp Leu His Lys Ala Glu Thr Tyr Leu Arg Val Met Lys
 1 5 10 15
 Cys Arg Arg Phe Val Glu Ser Ser Cys Ala Phe
 20 25

<210> 43
 <211> 27
 <212> PRT
 <213> Unknown Organism

<220>
 <223> Description of Unknown Organism: Fox, dog, cat

<400> 43
 Phe Lys Lys Asp Leu His Lys Ala Glu Thr Tyr Leu Arg Val Met Lys
 1 5 10 15
 Cys Arg Arg Phe Val Glu Ser Ser Cys Ala Phe
 20 25

<210> 44
 <211> 27
 <212> PRT
 <213> Mustela sp.

<400> 44
 Phe Lys Lys Asp Leu His Lys Ala Glu Thr Tyr Leu Arg Val Met Lys
 1 5 10 15
 Cys Arg Arg Phe Val Glu Ser Ser Cys Ala Phe
 20 25

<210> 45
 <211> 27
 <212> PRT
 <213> Capitalis sp.

<400> 45
 Phe Arg Lys Asp Leu His Lys Thr Glu Thr Tyr Leu Arg Val Met Lys
 1 5 10 15
 Cys Arg Arg Phe Gly Glu Ala Ser Cys Ala Phe
 20 25

<210> 46
 <211> 27
 <212> PRT
 <213> Ovis sp.

<400> 46
 Phe Arg Lys Asp Leu His Lys Thr Glu Thr Tyr Leu Arg Val Met Lys
 1 5 10 15
 Cys Arg Arg Phe Gly Glu Ala Ser Cys Ala Phe
 20 25

<210> 47
 <211> 27
 <212> PRT
 <213> Haedus sp.

<400> 47
 Phe Arg Lys Asp Leu His Lys Thr Glu Thr Tyr Leu Arg Val Met Lys
 1 5 10 15
 Cys Arg Arg Phe Gly Glu Ala Ser Cys Ala Phe
 20 25

<210> 48
 <211> 27
 <212> PRT
 <213> Sus scrofa

<400> 48
 Phe Lys Lys Asp Leu His Lys Ala Glu Thr Tyr Leu Arg Val Met Lys
 1 5 10 15
 Cys Arg Arg Phe Val Glu Ser Ser Cys Ala Phe
 20 25

<210> 49
 <211> 27
 <212> PRT
 <213> Lama pacos

<400> 49
 Phe Lys Lys Asp Leu His Lys Ala Glu Thr Tyr Leu Arg Val Met Lys
 1 5 10 15
 Cys Arg Arg Phe Val Glu Ser Ser Cys Ala Phe
 20 25

<210> 50
 <211> 27
 <212> PRT
 <213> Equus caballus

<400> 50

Phe	Lys	Lys	Asp	Leu	His	Lys	Ala	Glu	Thr	Tyr	Leu	Arg	Val	Met	Lys
1				5					10					15	

Cys	Arg	Arg	Phe	Val	Glu	Ser	Ser	Cys	Ala	Phe
			20					25		

<210> 51

<211> 27

<212> PRT

<213> Elephactus sp.

<400> 51

Phe	Lys	Lys	Asp	Leu	His	Lys	Ala	Glu	Thr	Tyr	Leu	Arg	Val	Met	Lys
1				5					10					15	

Cys	Arg	Arg	Phe	Val	Glu	Ser	Ser	Cys	Ala	Phe
			20					25		

<210> 52

<211> 27

<212> PRT

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Ancestral mammal

<400> 52

Phe	Lys	Lys	Asp	Leu	His	Lys	Ala	Glu	Thr	Tyr	Leu	Arg	Val	Met	Lys
1				5					10					15	

Cys	Arg	Arg	Phe	Val	Glu	Ser	Ser	Cys	Ala	Phe
			20					25		
